Serial Numb r: 08/908,884

CRF Processing Date: 7/28/98
Edited by:
V rified by: R (STIC staff)

☐ Changed a file from non-ASCII to ASCII

☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.

☐ Edited a format error in the Current Application Data section, specifically:
_____

☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____. **ENTERED**

☐ Added the mandatory heading and subheadings for "Current Application Data".

☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:
_____

☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:
_____

☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:
_____

☑ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

☐ Inserted colons after headings/subheadings. Headings edited included:
_____

☐ Deleted extra, invalid, headings used by an applicant, specifically:
_____

☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as_____.

☑ Inserted ~~mandatory~~ headings, specifically: _added "TYPE:" & "molecule" (pg 28)_

☐ Corrected an obvious error in the response, specifically:
_____

☐ Edited identifiers where upper case is used but lower case is required, or vice versa.

☐ Corrected an error in the Number of Sequences field, specifically:
_____

☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

☐ Other:
_____
_____
_____

*Examin r: Th abov corrections must be communicated to th applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

This Raw Listing contains the General
Information Section and up to the first 5 pages.

```
  1                                   SEQUENCE LISTING
  2
  3     (1)      General Information
  4
  5            (i) APPLICANT: Dong et al.
  6
  7          (ii) TITLE OF INVENTION: ACQUIRED RESISTANCE GENES AND USES THEREOF
  8
  9         (iii) NUMBER OF SEQUENCES: 28
 10
 11          (iv) CORRESPONDENCE ADDRESS:
 12              (A) ADDRESSEE: Clark & Elbing LLP
 13              (B) STREET: 176 Federal Street
 14              (C) CITY: Boston
 15              (D) STATE: MA
 16              (E) COUNTRY: USA
 17              (F) ZIP: 02110
 18
 19
 20           (v) COMPUTER READABLE FORM:
 21              (A) MEDIUM TYPE: Diskette
 22              (B) COMPUTER: IBM Compatible
 23              (C) OPERATING SYSTEM: DOS
 24              (D) SOFTWARE: FastSEQ for Windows Version 2.0
 25
 26          (vi) CURRENT APPLICATION DATA:
 27              (A) APPLICATION NUMBER:
 28              (B) FILING DATE:
 29              (C) CLASSIFICATION:
 30
 31         (vii) PRIOR APPLICATION DATA:
 32              (A) APPLICATION NUMBER:  60/023,851
 33              (B) FILING DATE: August 9, 1996
 34
 35              (A) APPLICATION NUMBER:  60/035,166
 36              (B) FILING DATE: January 10, 1997
 37
 38              (A) APPLICATION NUMBER:  60/046,769
 39              (B) FILING DATE: May 16, 1997
 40
 41
 42        (viii) ATTORNEY/AGENT INFORMATION:
 43              (A) NAME: Elbing, Karen L
 44              (B) REGISTRATION NUMBER: 35,238
 45              (C) REFERENCE/DOCKET NUMBER: 00786/339004
 46
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47          (ix) TELECOMMUNICATION INFORMATION:
48              (A) TELEPHONE: 617-428-0200
49              (B) TELEFAX: 617-428-7045
50
51
52
53          (2) INFORMATION FOR SEQ ID NO:1:
54
55      (i) SEQUENCE CHARACTERISTICS:
56          (A) LENGTH: 7548 base pairs
57          (B) TYPE: nucleic acid
58          (C) STRANDEDNESS: double
59          (D) TOPOLOGY: linear
60
61      (ii) MOLECULE TYPE: Genomic DNA
62
63      (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
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65   AAGCTTGTGA TGCAAGTCAT GGGATATTGC TTTGTGTTAA GTATACAAAA CCATCACGTG      60
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81   CTTAGGTTTA TGTAATAATA CCAAACATTG TTTTATGAAT ATTTAATCTG ATTTTTTGGC    1020
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86   ATACAATATA TGTACGGTAT GCTGTCCACG TATATATATT CTCCAAAAAA AACGCATGGT    1320
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88   ATCAACTATA ATAGATGGTA GAAGATAAAA AAATTATATC AGATTGATTC AATTAAATTT    1440
89   TATAATATAT CATTTTAAAA AATTAATTAA AAGAAACTA TTTCATAAAA TTGTTCAAAA     1500
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93   GTTTATTCAA CATAATCTTA CGTTGTTGTA TTCATAGGCA TCTTTAACCT ATCTTTTCAT    1740
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95   TGATTATGCA GATTCCTTCT TCTTCTCAGT TTCCAGCAAC ATCGAGTCCG GAAAACACCA    1860
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97   GTTATTGAAA AAGCTGATTT ATCGCATGAT TCAGAACGAG AAGTTGAAGG CAAATAACTA    1980
98   AAGAAGTCTT TTATATGTAT ACAATAATTG TTTTTAAATC AAATCCTAAT TAAAAAAATA    2040
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110   TCGATCTTAA ACCAAATCCA GTTGATAAGG TCTCTTCGTT GATTAGCAGA GATCTCTTTA   2760
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143   AAGACGACAC TGCTGAAGAA ACGACTACAA AAGAAGCAAA GGTACATGGA AATACAAGAG   4740
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152   GTATCTTCCT AATTCTTCCT TTAACCTTTT GTAACTCGAA TTACACAGCA AGTTAGTTTC   5280
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RAW SEQUENCE LISTING
PATENT APPLICATION *US/08/908,884*

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173    TGCTGCCCTC TAATGGAACA CCAGTCCACC GCCTTCTTCA GCTCATCCCT ATCTTTAAAA    6540
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178    ACCCGTTACT GTTACCCACT CCCTGAACCT CTAAACCATT ATCTCTCTCT ACTTTCACAG    6840
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183    CCGGTGAAAC AACTACAGGA TACTTACCAA AATATATTGA ACACTGATTT CTGCAGCTGC    7140
184    AATCCAAAAA TTGGATAAAG ACCATTCAAC AATGTACTTA ACGCAGTCTT TTGCCTAACC    7200
185    TTGACCGTTT TAGGAGTGGA TCCTTCATAG TAAACACCAT CAGGACCATA CTTGGTAGAA    7260
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187    AATGTAAAAA ATTTTGGCCT AAACTCATAA TTCTTAACAT ACGAAACCAT GGAGAACTCC    7380
188    ATGTCTAAAA AATAAAGGCT AAAGCTTTTT GGCGACAGAA GCAGATAAAT CCATTCAAAA    7440
189    CACATAAACT CTAAACAATA AACAGTGATA CTCAATACTA AGACTTGTAA AGGTCTACGT    7500
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192            (2) INFORMATION FOR SEQ ID NO:2:
193
194        (i) SEQUENCE CHARACTERISTICS:
195          (A) LENGTH: 2104 base pairs
196          (B) TYPE: nucleic acid
197          (C) STRANDEDNESS: double
198          (D) TOPOLOGY: linear
199
200       (ii) MOLECULE TYPE: cDNA
201       (ix) FEATURE:
202
203          (A) NAME/KEY: Coding Sequence
204          (B) LOCATION: 93...1871
205          (D) OTHER INFORMATION:
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207
208         (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
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212                                        Met Asp Thr Thr Ile Asp Gly
213                                         1               5
214
215    TTC GCC GAT TCT TAT GAA ATC AGC AGC ACT AGT TTC GTC GCT ACC GAT      161
216    Phe Ala Asp Ser Tyr Glu Ile Ser Ser Thr Ser Phe Val Ala Thr Asp
217             10                  15                  20
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219    AAC ACC GAC TCC TCT ATT GTT TAT CTG GCC GCC GAA CAA GTA CTC ACC      209
220    Asn Thr Asp Ser Ser Ile Val Tyr Leu Ala Ala Glu Gln Val Leu Thr
221         25                  30                  35
222
223    GGA CCT GAT GTA TCT GCT CTG CAA TTG CTC TCC AAC AGC TTC GAA TCC      257
224    Gly Pro Asp Val Ser Ala Leu Gln Leu Leu Ser Asn Ser Phe Glu Ser
225    40                  45                  50                  55
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227    GTC TTT GAC TCG CCG GAT GAT TTC TAC AGC GAC GCT AAG CTT GTT CTC      305
228    Val Phe Asp Ser Pro Asp Asp Phe Tyr Ser Asp Ala Lys Leu Val Leu
229                 60                  65                  70
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231    TCC GAC GGC CGG GAA GTT TCT TTC CAC CGG TGC GTT TTG TCA GCG AGA      353
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233             75                  80                  85
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235    AGC TCT TTC TTC AAG AGC GCT TTA GCC GCC GCT AAG AAG GAG AAA GAC      401
236    Ser Ser Phe Phe Lys Ser Ala Leu Ala Ala Ala Lys Lys Glu Lys Asp
237             90                  95                  100
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240    Ser Asn Asn Thr Ala Ala Val Lys Leu Glu Leu Lys Glu Ile Ala Lys
241         105                 110                 115
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248    Tyr Ser Ser Arg Val Arg Pro Pro Pro Lys Gly Val Ser Glu Cys Ala
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251    GAC GAG AAT TGC TGC CAC GTG GCT TGC CGG CCG GCG GTG GAT TTC ATG      593
252    Asp Glu Asn Cys Cys His Val Ala Cys Arg Pro Ala Val Asp Phe Met
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255    TTG GAG GTT CTC TAT TTG GCT TTC ATC TTC AAG ATC CCT GAA TTA ATT      641
256    Leu Glu Val Leu Tyr Leu Ala Phe Ile Phe Lys Ile Pro Glu Leu Ile
257             170                 175                 180
258
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****** PREVIOUSLY ERRORED SEQUENCES - EDITED *****

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946                  (2) INFORMATION FOR SEQ ID NO:28:
947
948           (i) SEQUENCE CHARACTERISTICS:
949             (A) LENGTH: 21 base pairs
950             (B) TYPE: nucleic acid
951             (C) STRANDEDNESS: single
952             (D) TOPOLOGY: linear
953
954           (ii) MOLECULE TYPE: DNA
955       (xi) SEQUENCE DESCRIPTION: SEQ ID NO:28:
956
957    RAAYTCRCAN GTNCCYTTCA T                                        21
958
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SEQUENCE VERIFICATION REPORT
PATENT APPLICATION *US/08/908,884*

INPUT SET: S27724.raw

Line	Error	Original Text

Bui

1649

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION *US/08/908,884*

DATE: 07/28/98
TIME: 13:26:31

INPUT SET: S27724.raw

> This Raw Listing contains the General Information Section and those Sequences containing ERRORS.

Does Not Comply
Corrected Diskette Needed

```
 1                          SEQUENCE LISTING
 2
 3    (1)    General Information
 4
 5           (i) APPLICANT: Dong et al.
 6
 7           (ii) TITLE OF THE INVENTION:
 8                 ACQUIRED RESISTANCE GENES AND USES THEREOF
 9
10           (iii) NUMBER OF SEQUENCES: 28
11
12           (iv) CORRESPONDENCE ADDRESS:
13              (A) ADDRESSEE: Clark & Elbing LLP
14              (B) STREET: 176 Federal Street
15              (C) CITY: Boston
16              (D) STATE: MA
17              (E) COUNTRY: USA
18              (F) ZIP: 02110
19
20
21           (v) COMPUTER READABLE FORM:
22              (A) MEDIUM TYPE: Diskette
23              (B) COMPUTER: IBM Compatible
24              (C) OPERATING SYSTEM: DOS
25              (D) SOFTWARE: FastSEQ for Windows Version 2.0
26
27           (vi) CURRENT APPLICATION DATA:
28              (A) APPLICATION NUMBER:
29              (B) FILING DATE:
30              (C) CLASSIFICATION:
31
32           (vii) PRIOR APPLICATION DATA:
33              (A) APPLICATION NUMBER:  60/023,851
34              (B) FILING DATE: August 9, 1996
35
36              (A) APPLICATION NUMBER:  60/035,166
37              (B) FILING DATE: January 10, 1997
38
39              (A) APPLICATION NUMBER:  60/046,769
40              (B) FILING DATE: May 16, 1997
41
42
43           (viii) ATTORNEY/AGENT INFORMATION:
44              (A) NAME: Elbing, Karen L
45              (B) REGISTRATION NUMBER: 35,238
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SEQUENCE VERIFICATION REPORT
PATENT APPLICATION *US/08/908,884*

INPUT SET: S27724.raw

Line	Error	Original Text
7	Mandatory Value Not Present	(ii) TITLE OF THE INVENTION:
955	Unknown or Misplaced Identifier	(ii) MOLECULE DNA

US 0890888408P1

Creation date: 08-12-2003
Indexing Officer: ADAO - ANH-VU DAO
Team: OIPEBackFileIndexing
Dossier: 08908884

Legal Date: 07-29-1998

No.	Doccode	Number of pages
1	CRFL	12

Total number of pages: 12

Remarks:

Order of re-scan issued on ....